

## ***Interactive comment on “Long-term assessment of airborne radiocesium after the Fukushima nuclear accident: Re-suspension from bare soil and forest ecosystems” by M. Kajino et al.***

**Anonymous Referee #2**

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This manuscript quantifies radiocesium resuspension in 2013 in Northeastern Japan following Fukushima accident, based on field observations/experiment and numerical simulations. Overall, the results are well presented (in Tables and Figures) and described in the text. Detailed comments/suggestions are provided in the attached annotated pdf file. Only general comments are provided here: â€” The title does not fully reflect the content of the study, the study period should be provided (rather than mentioning that it is a 'long-term study', which is misleading); â€” Materials and methods section is very clear, and necessary supporting information is provided as Supplementary Material; â€” In the discussion section (and in the perspectives), hypotheses could usefully be proposed by the authors regarding the mechanisms that

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may drive the observed/simulated resuspension (in my opinion, it is not sufficient to mention that 'future work should investigate this'... â€” The structure/style in which perspectives and conclusions are written could be improved to avoid proving a list of ideas/items; â€” It is not clear to me why the so-called 'land surface processes' were removed from the main text and detailed in Appendix C; in my opinion, this could be integrated in the main text.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/acp-2016-270/acp-2016-270-RC1-supplement.pdf>

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